

KÖSTER Repair Mortar

Technical guideline / Article number **5.030**
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Fillet, repair and water-repellent finishing mortar

Features

KÖSTER Repair Mortar is a watertight repair mortar and plaster with excellent adhesion even to old building material substrates.

With the addition of KÖSTER SB Bonding Emulsion, it can be used as PCC (polymer-modified cement concrete) mortar.

Technical data

Density of fresh mortar	1.8 kg / l
Compressive strength after 7 days	> 18 N / mm ²
Compressive strength after 28 days	> 35 N / mm ²
Flexural tensile strength after 7 days	> 4 N / mm ²
Flexural tensile strength after 28 days	> 6 N / mm ²
Application of next layer	after approx. 24 hours

Field of application

For carrying out watertight repairs and touch up, for creation of water-repellent plasters; for concrete repair. For evening out rough surfaces or joints prior to the application of bitumen thick film sealants, even under pressurised water. It can be used for fillets in the wall / floor junction which are stressed by pressurised water prior to the application of bitumen thick film sealants (KÖSTER Bikuthan[®] 2C, KÖSTER Bikuthan[®] 1C, KÖSTER Deuxan[®] 2C, KÖSTER Deuxan[®] Professional) and mineral based coatings (KÖSTER KD System, KÖSTER NB 1 Grey, etc.).

Substrate preparation

The surface has to be sound and solid, free of oil and grease. The material can be applied to all mineral substrates. Before installing the fillet on the external basement wall, brush on KÖSTER NB 1 Grey (consumption approx. 4 kg / m²). If larger surfaces are to be plastered, a plaster key made of repair mortar and water / KÖSTER SB-Bonding-Emulsion (25 % admixture to the mixing water) should be applied beforehand.

Mixing

Mix 30 kg of KÖSTER Repair Mortar with 3 – 3.5 l water + 1 kg of KÖSTER SB-Bonding Emulsion. Place ¼ of the liquid into a mixing vessel of sufficient size and add the powder in portions

while continually mixing with a slow rotating electrical mixer. Add the remaining ¼ of liquid as needed during mixing to adjust the mortar to the desired consistency. Mix until a homogeneous, lump-free consistency is reached. Mixing time is approx. 3 minutes.

Application

The mortar has a pot life of approx. 3 hours. Apply KÖSTER Repair Mortar using customary mason tools. The material can also be prepared without use of KÖSTER SB-Bonding Emulsion, in this case add one more liter of water instead.

Installation of fillets (stressed by pressurised water):

The substrate has to be primed with KÖSTER NB 1 Grey (consumption: approx. 4 kg / m²). Allow the KÖSTER NB 1 Grey to cure for at least 24 hours. Now the fillet can be installed (leg length of approx. 4 – 6 cm) using KÖSTER Repair Mortar (30 kg of KÖSTER Repair Mortar is mixed with 3 – 3.5 l water + 1 l KÖSTER SB-Bonding Emulsion). After another 24 hours, the fillet can be coated with KÖSTER bitumen thick film sealants (e.g. KÖSTER Deuxan[®] 2C).

Consumption

Approx. 1.8 kg / l void

Approx. 18 kg / m² per cm of layer thickness of the plaster

Approx. 2.5 kg / meter of fillet

Cleaning of tools

Clean tools immediately after use with water.

Packaging

30 kg bag

Storage

Store the material dry; in originally sealed packages, it can be stored for approx. 6 month.

Safety precautions

Wear protective gloves and goggles when processing the material.

Technical guidelines cited

KÖSTER Bikuthan® 2C	Art.-No.	1.14
KÖSTER Bikuthan® 1C	Art.-No.	1.15
KÖSTER Deuxan® 2C	Art.-No.	1.16
KÖSTER Deuxan® Professional	Art.-No.	1.17
KÖSTER SB Bonding Emulsion	Art.-No.	2.11
KÖSTER KD System	Art.-No.	3.019
KÖSTER NB 1 Grey	Art.-No.	3.021

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